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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

FEBRUARY, 1931

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Any five of the general publications listed herein, except those otherwise noted, may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the departments' supply lasts. As many as five additional publications may be sent free if the applicant gives sufficient proof that they are urgently needed. Free distribution of periodicals is restricted.

After the department's supply is exhausted, publications may still be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., but by purchase only, and at the prices stated herein.

☞Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

GENERAL PUBLICATIONS

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Tile-trenching machinery. D. L. Yarnell, Bureau of Public Roads. 17 p., illus. (Farmers' Bulletin 1131F., rev.) Price, 5¢.

The corn earworm as an enemy of field corn in the Eastern States. W. J. Phillips and George W. Barber, Bureau of Entomology. 18 p., illus. (Farmers' Bulletin 1651F.) Price, 5¢.

Describes the different stages of the insect; shows how it damages corn, how it is partly kept in check by its own habits and its natural enemies, and how a knowledge of its life history will aid the corn grower in protecting his crop. Of special interest east of the Rocky Mountains.

The control of moths in upholstered furniture. E. A. Back and R. T. Cotton, Bureau of Entomology. 33 p., illus. (Farmers' Bulletin 1655F.) Price, 10¢.

Intended to acquaint the reader with essential facts concerning the development and control of moths as pests of upholstered furniture, so that he may guard against attack by them.

Peanut growing. W. R. Beattie and J. H. Beattie, Bureau of Plant Industry. 29 p., illus. (Farmers' Bulletin 1656F.) Price, 5¢.

Describes under what conditions peanuts should be grown, rotation of the crop, kind and quantity of fertilizer to be used, and the effect of the latter on quality and quantity of the peanuts.

The Great Basin wireworm in the Pacific Northwest. M. C. Lane, Bureau of Entomology. 9 p., illus. (Farmers' Bulletin 1657F.) Price, 5¢.

Of interest to farmers in those areas of the Pacific Northwest receiving less than 15 inches of precipitation annually. There the wireworm damage amounts to millions of dollars annually. This bulletin recommends various control measures, of which clean summer fallow is the most efficient.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited, as they are intended primarily for scientific workers and subject-matter specialists.

Beef production and quality as affected by grade of steer and feeding grain supplement on grass. W. H. Black and K. F. Warner, Bureau of Animal Industry, and C. V. Wilson, West Virginia Agricultural Experiment Station. 44 p., illus. (Technical Bulletin 217T.) Price, 15¢.

Intended for experiment-station workers and livestock producers interested in the effects of grade of steers and their feeding on the quality of beef. Describes in detail the methods used in testing and comparing the quality of meat.

Genetic growth differentiation in guinea pigs. Hugh C. McPhee and Orson N. Eaton, Bureau of Animal Industry. 36 p., illus. (Technical Bulletin 222T.) Price, 10¢.

Intended for scientists and others who are interested in genetics. The investigations include the development by systematic inbreeding of five distinct families of guinea pigs. Possible applications of the results to livestock breeding are discussed.

Habits and economic status of the pocket gophers. Theo. H. Scheffer, Bureau of Biological Survey. 27 p., illus. (Technical Bulletin 224T.) Price, 10¢.

In addition to data on habits of pocket gophers and their damage to crops, this bulletin recommends several measures of control and discusses the compulsory-extermination and county laws on them.

Results of fertilizer experiments on Norfolk fine sandy loam and on Norfolk sandy loam. J. J. Skinner, Bureau of Chemistry and Soils. 23 p., illus. (Technical Bulletin 225T.) Price, 5¢.

Results are given of a 10-year fertilizer experiment with cotton and corn grown in rotation on Norfolk fine sandy loam in South Carolina. The largest cotton yields were obtained with mixtures containing 3 to 6 per cent ammonia. The high nitrogen fertilizer mixtures gave the largest yields of corn.

A revision of the American species of Empoasca known to occur north of Mexico. Dwight M. DeLong, Bureau of Entomology. 60 p., illus. (Technical Bulletin 231T.) Price, 15¢.

Detailed technical descriptions are given of 51 species and 10 varieties. Maps are presented showing the distribution of the four more prevalent species. Of value to all workers with leaf hoppers and to entomologists interested in improved methods of technic in the examination of specimens and the delineation of delicate parts.

A laboratory study of the field percolation rates of soils. C. S. Slater and H. G. Byers, Bureau of Chemistry and Soils. 24 p., illus. (Technical Bulletin 232T.) Price, 5¢.

As permeability is one of the most important soil properties, this investigation was conducted to develop and standardize a procedure for the measurement of percolation rates of soil samples.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Development and use of baking powder and baking chemicals. L. H. Bailey, Bureau of Chemistry and Soils. 16 p. (Circular 138C., rev.) Price, 5¢.

Crotalaria, a new legume for the South. Roland McKee and C. R. Enlow, Bureau of Plant Industry. 31 p., illus. (Circular 137C.) Price, 10¢.

The forage and green-manure yields of crotalaria on poor sandy lands in the South have been heavy, indicating that this crop has a real place under such conditions. The principal use of crotalaria is for green-manure. Some species can be used for hay while others are probably poisonous.

The ice well for the dairy farm. J. R. Dawson and A. L. Watt, Bureau of Dairy Industry. 12 p., illus. (Circular 155C.) Price, 5¢.

Describes with detailed illustrations, the plans for constructing an ice well. Makes suggestions concerning the form of construction, material to use, and method of operation.

Transplanting sugar beets in Utah and Idaho. S. B. Nuckols, Bureau of Plant Industry. 15 p., illus. (Circular 156C.) Price, 5¢.

Intended for managers and field superintendents of sugar-beet companies as well as for growers interested in testing new developments in sugar-beet culture. Results of four years of experiments show that advantages are derived from transplanting sugar beets, and suggest that the method has some possibilities.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Reliability of the tuberculin test. John R. Mohler, Bureau of Animal Industry. 14 p., illus. (Miscellaneous Publication 59MP., rev.) Price, 5¢.

Summary of irrigation-district statutes of western States. Wells A. Hutchins, Bureau of Public Roads. 127 p. (Miscellaneous Publication 103MP.) Price, 20¢.

A topical summary of the laws of 17 western States relating to irrigation districts. Of interest chiefly to legislators and State administrative officers of these western States and officers of irrigation districts.

The agricultural outlook for 1931. Prepared by the Staff of the Bureau of Agricultural Economics, assisted by representatives of the Agricultural Colleges and Extension Services and the Federal Farm Board. 91 p. (Miscellaneous Publication 108MP.) Price, 15¢.

The farm outlook for 1931: Facts for farmers. From the National Agricultural Outlook, 1931, issued by the Bureau of Agricultural Economics, United States Department of Agriculture. 16 p. (Miscellaneous Publication 112MP.) Price, 5¢.

SOIL SURVEYS

These reports consist of two parts: (1)A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey; and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area surveyed and to soil specialists. All requests for Soil Surveys are referred to the Bureau of Chemistry and Soils, which controls their distribution.

Georgia, Clarke County. (1927, No. 7.) Price, 10¢.

Kansas, Clay County. (1926, No. 26.) Price, 15¢.

New Jersey, The Bergen Area. (1925, No. 23.) Price, 20¢.

Oregon, The Eugene Area. (1925, No. 33.) Price, 35¢.

Virginia, Orange County. (1927, No. 6.) Price, 15¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Amendment 2 to B. A. I. Order 301 (Regulations governing the importation of domestic livestock and other animals into the United States), and Amendment 1 to B. A. I. Order 322 (Regulations governing the inspection of live poultry and the inspection, humane treatment, and safe transport of animals for exportation from the United States). Effective March 1, 1931. 1 p. (B. A. I. Order 301, Amdt. 2; B. A. I. Order 322, Amdt. 1.)

Amendment 3 to B. A. I. Order 301 (Regulations governing the importation of domestic livestock and other animals into the United States). Bureau of Animal Industry. Effective February 1, 1931. 1 p. (B. A. I. Order 301, Amdt. 3.)

Amendment to rules and regulations of the Secretary of Agriculture for carrying out the provisions of the perishable agricultural commodities act, 1930. Bureau of Agricultural Economics. 1 p. (S. R. A., B. A. E. 121, Amdt. 1.)

European corn-borer quarantine. Revision of Regulations. Plant Quarantine and Control Administration. 8 p. (P. Q. C. A.—Q. 43.)

Information, instructions, rulings, etc., concerning the work of the Bureau of Animal Industry, January–December, 1930, Index. pp. 113–115; January, 1931. 12 p. (S. R. A.—B. A. I. 285.) Price, 5¢ each.

Notices of judgment under the food and drugs act. Food and Drug Administration. pp. 189–209 (N. J., F. D. 17301–17325); pp. 211–222 (N. J., F. D. 17326–17350); pp. 223–236 (N. J., F. D. 17351–17375). Price 5¢, each.

Regulations under the Federal seed act. Bureau of Plant Industry. 11 p. (S. R. A.—B. P. I. 17.) Price, 5¢.

Rules and regulations of the Secretary of Agriculture governing the inspection and certification of fruits, vegetables, and other products. (Revised January, 1931.) 6 p. (S. R. A.—B. A. E. 93, rev.) Price, 5¢.

Special regulations governing the movement of livestock between the United States of America and the United Mexican States. Bureau of Animal Industry. 6 p. (B. A. I. Order 327.) Price, 5¢.

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PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 15, No. 2, February 1, 1931. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.[1]

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Climatological data. Vol. 17, No. 10, October; No. 11, November. 1930.

In 42 sections, containing weather statistics for 42 separate sections, each corresponding, as a rule, to a State. Monthly information for 1 section is 50¢ a year; for data regarding all 42 sections, 35¢ a month, or $4 a year.[1] Not for general distribution.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price, daily, except Sundays and holidays, 25¢ a month, $3.00 a year; daily, including Sundays and holidays, 30¢ a month, $3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, $7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States; 20¢ a month, $2.40 a year.[1]

Experiment station record. Vol. 64, No. 1. January, 1931. Single numbers for sale only. Price, 10¢.[1]

A technical review of the world's scientific literature pertaining to agriculture. Two volumes a year, of 10 numbers each; 75¢ a volume, domestic; $1.25 a volume, foreign.[1]

Extension service review. Vol. 2, No. 2, February, 1931. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 75¢ a year, foreign.[1]

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Forest worker. Vol. 7, No. 1, January, 1931. Price, 5¢ a copy; 25¢ a year, domestic; 35¢ a year, foreign.[1]

News of State forestry, forestry education, private forestry, and the work of the Forest Service.

Journal of agricultural research. Vol. 42, Nos. 1–3, January 1, 15; February 1, 1931. Price, 20¢ a copy; $4 a year, domestic; $5.25 a year, foreign.[1] Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work. Separates of articles are distributed free to those desiring them, as long as the limited supply lasts.

Monthly weather review. Vol. 58, No. 11, November, 1930. Illus. Price, 15¢ a copy; $1.50 a year, domestic; $2.25 a year, foreign.[1] Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 11, No. 11, January, 1931. Illus. Price, 10¢ a copy; $1 a year, domestic; $1.50 a year, foreign.[1]

Snow and ice bulletin. Nos. 8–11, February 4, 11, 18, 25, 1931. 50¢ a year. Free distribution limited to cooperators with the Weather Bureau.

Issued on Tuesdays during the winter. Based on data from regular Weather Bureau and cooperative stations. As far as practicable all reports of snow and ice are given.

The official record. Vol. 9, 1930, Index. Vol. 10, Nos. 6–9. February 5, 12, 19, 26, 1931. Price, 5¢ a copy; 50¢ a year, domestic; $1.10 a year, foreign.[1]

Contains official orders and miscellaneous information concerning the department's activities and such other matter as should be brought to employees' attention.

Weekly weather and crop bulletin. Nos. 5–8, February 3, 10, 17, 24, 1931. Price, 50¢ a year, domestic; $1 a year, foreign.[1]

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

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[1] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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